

What we claim is:

1. A method of obtaining beneficial biological results associated with caloric restriction comprising administration of a composition containing at least one active agent which blocks metabolism of glucose as a source of energy in cells in glucose metabolism blocking effective amounts to an animal in need thereof.
2. The method of claim 1 wherein the composition contains, as an agent which blocks use of glucose as a source of energy, mannoheptulose.
3. The method of claim 1 wherein the composition contains, as an agent which blocks use of glucose as a source of energy, 5-thio-D-glucose.
4. The method of claim 1 wherein the composition contains, as an agent which blocks use of glucose as a source of energy, 3-O-methylglucose.
5. The method of claim 1 wherein the composition contains, as an agent which blocks use of glucose as a source of energy, an androsugar.
6. The method of claim 5 wherein the composition contains, as

an agent which blocks use of glucose as a source of energy,  
1,5-anhydro-D-glucitol.

7. The method of claim 5 wherein the composition contains, as  
5 an agent which blocks use of glucose as a source of energy,  
2,5-anhydro-D-mannitol.
8. The method of claim 1 wherein the composition contains, as  
an active agent which blocks use of glucose as a source of  
energy, mannoheptulose.
9. A method of lowering the temperature in body tissue by  
administration of a composition containing at least one  
active agent which blocks use of glucose as a source of  
energy in cells in body temperature lowering effective  
amounts.
10. The method of claim 9 wherein the composition contains, as  
an active agent which blocks use of glucose as a source of  
20 energy, 5-thio-D-glucose.
11. The method of claim 9 wherein the composition contains, as  
an active agent which blocks use of glucose as a source of  
energy, 3-O-methylglucose.
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12. The method of claim 9 wherein the active agent which blocks

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use of glucose as a source of energy is an androsugar.

13. The method of claim 12 wherein the active agent which blocks  
use of glucose as a source of energy is 1,5-anhydro-D-glu-  
citol.

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14. A method of claim 12 wherein the compound which blocks use  
of glucose as a source of energy is 2,5-anhydro-D-mannitol.

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